

Electronic Patent Application Fee Transmittal

Application Number:	10801208
Filing Date:	16-Mar-2004
Title of Invention:	Methods of manufacturing semiconductor devices having a ruthenium layer via automatic layer deposition
First Named Inventor:	Kwang-hee Lee
Filer:	D. Randal Ayers/Michele McMahan
Attorney Docket Number:	5649-1277

Filed as Large Entity

Utility Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
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Basic Filing:

Pages:

Claims:

Miscellaneous-Filing:

Petition:

Patent-Appeals-and-Interference:

Notice of appeal	1401	1	500	500
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Post-Allowance-and-Post-Issuance:

Extension-of-Time:

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Total in USD (\$)				500